Sprint 4 Review meeting - 7.4.2025

# Team

* Vladimir Piniazhin - **Scrum master**
* Edvard Nivala - **Developer**
* Johannes Mäkinen- **Developer**

Objectives

Suunnitella projektityö ja hanki palautetta suunnitelmasta projektin omistajalta

## Achievements

1. An adding a measurement timestamp has been Implemented (sets the timestamp at the time the sensor data is saved)

**Responsible:** Edvard Nivala ( ), Vladimir Piniazhin (1 hours)

1. A battery monitoring has been Implemented

**Responsible:** Vladimir Piniazhin (8 hours)

1. A timer for program start has been implemented that takes into account the execution time of each start so that the scheduled number of devices starts is always executed per day

**Responsible:** Vladimir Piniazhin (5 hours)

1. Stack overflow often occurred when sending long messages. The logic of message generation was changed - Stack overflow error did not appear anymore

**Responsible:** Vladimir Piniazhin (10 hours)

1. Implemented time synchronization at first boot during modem initialization

**Responsible:** Edvard Nivala ( ), Vladimir Piniazhin (2 hours)

Time Spent:

* Edvard Nivala:
* Johannes Mäkinen:
* Vladimir Piniazhin: 26 hours

Plans for the Next Sprint

1. To implement Firestore connection with real data
2. To define web GUI functionalities
3. To develop a logic for error handling in case SIM card isn't detected
4. Stack Test the device performance when transferring real data in Firestore on a long period of time

Observations and Issues

The team successfully completed all tasks.

Summary

The Sprint Review was successfully conducted and all objectives were achieved.